



EMBOSSED CARRIER TAPES

# Tri-Laminate PS+C Type D & I Carrier Tape



Advantek's Tri-Laminate PS+C (polystyrene with carbon) Type D&I provides an economical alternative to type C material. This modified static dissipative polystyrene offers good strength and stability over time and temperature variations. Its uniform surface texture offers a consistently flat sealing area and is suitable for use with a wide variety of pocket designs.

- Compliant with EIA standards
- Available in widths from 8 to 24mm
- Formulated for use with heat activated and pressure sensitive cover tapes.

### Shelf Life and Storage

We recommend that Advantek Tri-Laminate PS+C carrier tapes be used within 5 years of the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 21°C +/- 17°C (70°F +/- 30°F). This product is not affected by humidity. Allow the product to stabilize at room temperature prior to use.

### Camber

The Advantek Tri-Laminate PS+C series meets the EIA-481-D standard for camber that is not greater than 1mm in 250 linear millimeters. For 8mm to 24mm carrier tape in the level wind format, the camber will not be greater than 2mm in 250 linear millimeters.

### Material Ionics Data

Fluoride	0.0023
Chloride	0.0170
Nitrite	0.0262
Bromide	ND
Phosphate	ND
Sulfate	ND
Lithium	ND
Sodium	0.0101
Ammonium	0.0014
Potassium	0.0042
Magnesium	ND
Calcium	0.0070

Note: The above ionics data was measured by an independent laboratory.

Material Properties			
Property	Type D	Type I	Test Method/Standard
Standard Thickness	.30mm	.25mm	
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D-792
Tear Strength	LD 0.22 lb	LD 0.22 lb	ASTM D-1938 [4]
Elongation	LD 102.2% TD 68%	LD 102.2% TD 68%	ASTM D-882 [5]
Tensile Strength	LD 3911 psi TD 3071 psi	LD 3911 psi TD 3071 psi	ASTM D-882 [5]
Vicat Softening	107°C (225°F)	107°C (225°F)	ASTM D-1525
Surface Resistivity	<1012 ≥ 105 ohms/square	<1012 ≥ 105 ohms/square	ASTM D-257 Static Dissipative per EIA 541

Note: The values presented for this product are typical laboratory data and may be changed without notice.

### COVER TAPE COMPATIBILITY

MATERIAL	AA	AHP	ABX	ATA	PS3	APC	AHPC
D & I Tri-laminate (Polystyrene)	X	X	X	X	X		



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Embossed Carrier Tapes	SFT®	Complex Designs	Basic Designs	Interleaf Tapes		
Cover Tapes	Heat Activated	Pressure Sensitive				
Packaging Reels	Pro	Ultra	Lite	Trimline		
Barrier Bags	DRYLOK®	STATLOK®				
Bands	PROBAND®	LOKBAND®				
Humidity Indicator Cards	1 Spot	3 Spot	4 Spot	6 Spot		
Desiccant	1/3 Unit	1/2 Unit	1 Unit	2 Unit	4 Unit	8 Unit
Dicing Tapes	UV Cured	Non UV Cured				

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